



(CENTER FOR ENVIRONMENTAL AND NATURAL SCIENCES)

- The mission of CENS is to promote environmental citizenship and a sustainable community through challenging hands-on collaborative learning experiences that promote innovative thinking, problem solving, and leadership within our school and community.
- Freedom High School aims to create a sustainable society of students that embodies respect and care for the community of life and ecological integrity

<u>CENS</u>

CENS MEDAL:

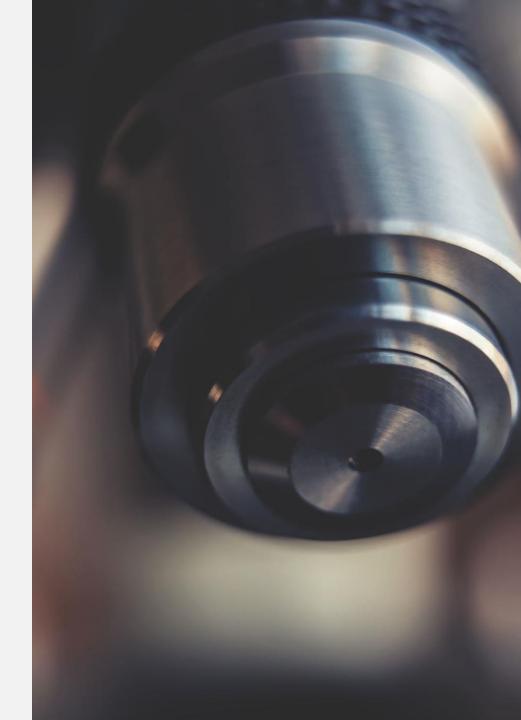
- -6 CENS Classes: Advanced Biology, Advanced Chemistry, AP Biology (or DE Biology I), AP Environmental Science (required) and 2 other CENS approved science courses
- -Participate in 1 Science Fair/Symposium/Seminar.
- -80 hours of community Service
- CENS students must maintain a "C" average in their core subject areas (language arts, social studies, math and science) and be enrolled in at least one CENS science class each year. The CENS classes may include Advanced Biology, Advanced Chemistry, AP Environmental Science, AP Biology and Biology II: Survey of Advanced Topics in Biology (DE).
- CENS Science Electives include all AP science classes, all DE science classes, Ecology, Advanced Earth Science, Forensics, Oceanography, and Physics



CENS

CENS MERIT:

- -5 CENS classes: Advanced Biology, Advanced Chemistry, AP Biology (or DE Biology I), AP Environmental Science(required) and 1 more CENS approved science courses
- --60 hours of community service
- CENS students must maintain a "C" average in their core subject areas (language arts, social studies, math and science) and be enrolled in at least one CENS science class each year. The CENS classes will include Advanced Biology, Advanced Chemistry, AP Environmental Science, AP Biology and Biology II: Survey of Advanced Topics in Biology (DE).
- CENS Science Electives include all AP science classes, all DE science classes, Ecology, Advanced Earth Science, Forensics, Astronomy, Oceanography, and Physics.



<u>CENS</u>

<u>CENS CERTIFICATE</u>:

- -4 CENS Classes: Advanced Biology, Advanced Chemistry and 2 other CENS approved science courses
- -40 hours of community Service

• <u>CENS PATHWAY:</u>

• 3 science courses and 1 CENS approved science course





FREEDOM HAS A POND, AN ON-SITE GREENHOUSE, A VEGETABLE GARDEN, A HUGE AQUARIUM AND SO MUCH MORE!



FREEDOM STUDENTS REUSE AND RECYCLE!





MAKE HISTORY!

FREEDOM CENS IN THE NEWS!

<u>Check out what Freedom CENS students are doing!</u>

NOVA DUAL ENROLLMENT



NVCC Dual Enrollment Information Link



EARN COLLEGE CREDIT FOR FREE WITH DUAL ENROLLMENT



- Colleges and universities in Virginia accept dual enrollment transfer credits. Most colleges and universities in other states accept Northern Virginia Community College transfer credits but there are a few that do not.
- The high school and college curriculum will be incorporated together and taught at the same time during the regular class day at Freedom High School. DE courses that are offered include Biology, English, and Photography.
- The courses are taught by teachers at Freedom High School during the regular school day. For example, if a dual enrollment student has their Biology II: Survey class during 5th Period, that will be the same time the student is taking the college class. Remember students are earning potential high school and college credit at the same time.



REQUIREMENTS



- Students must apply for admission to Northern Virginia Community College (no admission fee is required). In addition, students must also register for Dual Enrollment courses through NOVA.
- Students and parents must fill out a dual enrollment consent form from the community college.
- Students must have a 3.0GPA to qualify for DE. Students may also qualify based on their PSAT, SAT, or ACT scores.

HIGHLIGHTS OF DUAL ENROLLMENT

•EARN COLLEGE CREDIT WITHA C OR BETTER **FOR FREE**

•ALLOWS STUDENT TO RECEIVE HIGH SCHOOL AND COLLEGE CREDIT

•FACILITATES THE TRANSITION FROM HIGH SCHOOL TO COLLEGE

•ALLOWS STUDENTS TO USE CAMPUS RESOURCES

•DETEACHERS MUST MEETTHE REQUIREMENTS OF COLLEGE PROFESSORS

•NO APTEST TO PASS TO EARN COLLEGE CREDIT



ADVANCED PLACEMENT CLASSES AT FREEDOM

MATH

AP Statistics AP Calculus AB

ENGLISH

AP English Language AP English Literature

SCIENCE AP Environmental Science AP Biology AP Chemistry **SOCIAL SCIENCE** AP Psychology

SOCIAL STUDIES AP World History AP US History AP US Government AP Human Geography

WORLD LANGUAGES

AP Spanish Language AP Spanish Literature

AP CAPSTONE AP Seminar/AP Research





ADVANCED PLACEMENT

Facts Concerning AP @ Freedom

-276 AP students currently enrolled at Freedom

-AP classes are open to all Freedom students

-Some classes are limited to specific grades or have prerequisite courses

-Unlimited AP exams are paid for by PWC (\$100 per exam)

-A weight of +1 (one full grade) is applied to GPA for AP courses

BENEFITS

Earn college credit! Save thousands of dollars Higher GPA

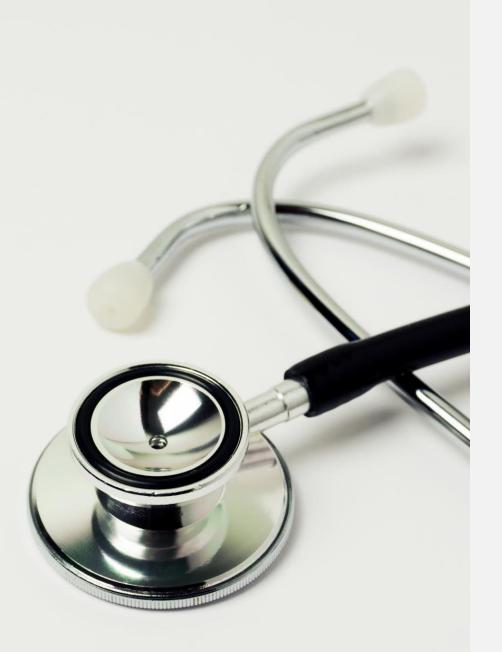
Rigorous classroom environment

High level writing & reasoning

Colleges seek AP/Dual enrollment students

MEDICAL CODING AND BILLING Requirements to be accepted into your program/Requirements to maintain status in the program:

- Student will in 11th or 12th grader
- Pre req
 - Biology
 - CIS 1 and CIS 2



MEDICAL CODING AND BILLING

What makes your program special?

- Introduction to the healthcare field and the management concepts for a medical office.
- Students learn heath care law, medical terminology, anatomy, patient rights, health insurance, diagnosis and procedures as it pertains to medical coders.
 Professional ethics in the healthcare and management.

MEDICAL CODING AND BILLING

• What is medical coding and billing?

The process of translating information from patient records – treatments, tests, procedures, and diagnoses – into the standardized codes used to bill patients and third-party payers such as insurance companies and Medicare.

- Requirements: completion of CIS (9th grade) and ACIS (10th grade)
- Highlights: certification possibilities (American Academy of Professional Coders, Workplace Readiness Skills for the Commonwealth Examination, Billing and Coding Specialist Certification)





A STEM Initiative

(Science, Technology, Engineering, Mathematics)

Dr. Jessica Doiron– Specialty Programs Coordinator TBD– Dedicated Pre-Governor's and Governor's School Counselor

6.31447 C/ X,Y PRE-GOVERNOR'S SCHOOL @ FREEDOM

Students study two math courses to complete Pre- Calculus with Trig for AB prior to I Ith grade.

- Students study all three science disciplines (Biology, Chemistry, and Physics) prior to 11th grade
- Students will undergo technical writing preparation for science and research writing at GS@IP
- A dedicated counselor will support Pre-Governor's School students for four years
- A cohort of like-minded students
- Additional support and transition activities will be initiated to include GS@IP faculty

SAMPLE SCHEDULE

9th Grade Courses	10th Grade Courses
Advanced English 9**	Advanced English 10**
Advanced World History I	AP World History, AP European History, <u>or</u> World History
Advanced Biology**	Pre-Calculus with Trig for AB**
Advanced Geometry	Advanced Chemistry
Algebra II**	Physics I**
Foreign Language*	Foreign Language*
Elective/Fine Art	Economics and Personal Finance or AP Economics
9th grade Health/ PE (Virtual)*	10th grade Health/PE (Virtual)*
**Denotes a Pre-Governors School course	
AP Capstone Seminar and/or technical writing module recommended 3 years of a single foreign language or 2 years of two separate languages is required for an advanced studies diploma	

The Learning Environment at GS@IP

- Advanced level courses in which students must synthesize information and apply knowledge
- Projects based on student interests and talents
- Positive learning environment, teambased learning
- Prepares students for college and a 21st Century workforce







Application Process

- >Complete general online application through PWCS by February 1st
- >The Pre-Governors School program must be indicated as your first-choice program.
- Complete the additional Pre-Governors School application requirements on the PWCS Specialty Program Application - All documents are uploaded directly to the application portal
- >Be sure to have accurate e-mail addresses for both your current Science and Math teachers so they receive the teacher recommendation e-mail
- All application paperwork must be submitted in the online application portal by February 1, 2024.

Application Details

Students must submit a complete application packet:

- ► A completed application form through PWCS
- ► Two teacher recommendation forms (math and science teachers)
- ► Information sheet: describing interest in research and experimentation
- ► Student Essay
- Students MUST be currently enrolled in Algebra I to be eligible to apply for the Pre-Governor's School

Within the application packet students should demonstrate:

- An aptitude for advanced study
- A record of strong academic performance
- A curiosity about the STEM to include independent research/projects
- Must be currently enrolled in Algebra I or higher



QUESTIONS?

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